

## 780 CMR 3618

### EXHAUST SYSTEMS

#### 780 CMR 3618.1 CLOTHES DRYER EXHAUST

**3618.1.1 General:** Dryer vent systems shall be independent of all other systems and shall convey the moisture to the outdoors - no dryer vent shall terminate in the interior space of a building unless such dryer system is listed for such application and has been approved by the BBRS if necessary; additionally, the following criteria shall be satisfied:

1. Gas fired clothes dryers shall be installed in accordance with the requirements of 248 CMR, and such exhaust vent systems shall also have a backdraft damper located on the building interior side of the vent termination unless otherwise prohibited by listing or by 248 CMR;
2. For clothes dryers generally, vents shall not be connected with sheet-metal screws or fastening means which extend into the vent. Exhaust vents shall be equipped with a backdraft damper. Vents shall be constructed of minimum 0.016-inch-thick (0.406 mm) rigid metal ducts, having smooth interior surfaces with joints running in the direction of air flow, except that;
3. Approved flexible duct connectors may be used in connection with domestic dryer exhausts unless otherwise prohibited by equipment listing or 248 CMR. Flexible duct connectors shall not be concealed within construction.

**3618.1.2 Exhaust vent size:** The minimum diameter of the exhaust vent shall be in accordance with 780 CMR 3618.1.3, but shall be at least the diameter of the appliance outlet.

**3618.1.3 Length limitation:** The maximum length of a four-inch (102 mm) diameter exhaust vent shall not exceed 25 feet (7620 mm) from the dryer location to wall or roof termination, and shall terminate with a full opening exhaust hood. A reduction in maximum length of 2.5 feet (762 mm) for each 45-degree bend and five feet (1524 mm) for each 90-degree bend shall apply. Installations when this length is exceeded

shall be installed in accordance with the manufacturer's installation instructions.

#### 780 CMR 3618.2 RANGE HOODS

**3618.2.1 General:** Gas-fired appliances shall conform to the requirements of 248 CMR and otherwise all range hoods shall be vented to the outdoors by a single-wall duct constructed of galvanized steel, stainless steel or copper. The duct serving the hood shall have a smooth interior surface, be substantially air tight and shall be equipped with a backdraft damper. Vents serving range hoods shall not terminate in an attic or crawl space or areas inside the building but shall vent directly to the building exterior.

**Exception:** Listed labeled unvented range hoods shall be allowed and shall be installed in accordance with the terms of their listing.

#### 780 CMR 3618.3 INSTALLATION OF MICROWAVE OVENS

**3618.3.1 Installation of microwave oven over a cooking appliance:** The installation of a listed and labeled cooking appliance or microwave oven over a listed and labeled cooking appliance shall conform to the terms of the upper appliance's listing and label and the manufacturer's installation instructions.

#### 780 CMR 3618.4 OVERHEAD VENTILATING HOODS

**3618.4.1 General:** Gas-fired appliances shall conform to the requirements of 248 CMR and otherwise domestic open-top broiler units shall be provided with a metal ventilating hood, not less than 28 gage, with a clearance of not less than ¼ inch (6.4 mm) between the hood and the underside of combustible material or cabinets. A clearance of at least 24 inches (610 mm) shall be maintained between the cooking surface and the combustible material or

THE MASSACHUSETTS STATE BUILDING CODE

cabinet. The hood shall be at least as wide as the broiler unit and shall extend over the entire unit.

**Exception:** Broiler units incorporating an integral exhaust system, and listed and labeled for use without a ventilating hood, need not be provided with a ventilating hood.



780 CMR: STATE BOARD OF BUILDING REGULATIONS AND STANDARDS  
THE MASSACHUSETTS STATE BUILDING CODE  
NON-TEXT PAGE